## ABSTRACT

A microbubble-type ultrasonic imaging agent is provided comprising a parenterally-administerable aqueous medium containing a dispersion of microspheres predominantly of diameters less than 10 microns, wherein the microspheres consist of gas microbubbles encapsulated with water-insolubilized biocompatible material. The imaging agent is characterized by having a concentration of greater than  $100 \times 10^6$  microspheres per milliliter, and a stability such that this concentration is maintained for over 4 weeks at a temperature of 20 to  $25^{\circ}\text{C}$ .